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Dated: 6/22/04

Signature: *Beth J. Cobb*

(Beth J. Cobb)

Docket No.: AH-UMIC:047USD1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of:  
Langmore, et al.

Application No.: 10/798,025

Group Art Unit: 1645

Filed: March 11, 2004

Examiner: Not Yet Assigned

For: METHOD OF PRODUCING A DNA LIBRARY  
USING POSITIONAL AMPLIFICATION

**REQUEST FOR TRANSFER OF INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants filed on March 11, 2004 a divisional patent application claiming priority to U.S. Patent Application No. 09/860,738, filed May 18, 2001. Applicants request that the Information Disclosure Statement (IDS) submitted on September 13, 2002 and the Supplemental IDSs filed on March 31, 2003 and August 29, 2003 in that application be referred to for the instant application. Copies of the IDSs absent the references are submitted herewith. If this is unacceptable, please contact the undersigned for quick resolution.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 06-2375, under Order No. 10100073 from which the undersigned is authorized to draw.

Application No.: 10/798,025

Dated:

*June 22, 2004*

Respectfully submitted,

By *Melissa L. Sistrunk*

Melissa L. Sistrunk

Registration No.: 45,579

FULBRIGHT & JAWORSKI L.L.P.

1301 McKinney, Suite 5100

Houston, Texas 77010-3095

(713) 651-3735

(713) 651-5246 (Fax)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as Express Mail No. EU110401346US, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below.

Dated: September 13, 2002

Signature:

*Linda Bourg*  
(Linda Bourg)

Docket No.: AH-UMIC:047US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Application of:  
John P. Langmore, et al.

Application No.: 09/860,738

Group Art Unit: 1623

Filed: May 18, 2001

Examiner: Not Yet Assigned

For: METHOD OF PRODUCING A DNA  
LIBRARY USING POSITIONAL  
AMPLIFICATION

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

A concise explanation of relevance of the items listed on form PTO/SB/08 is:

☒ not given

☐ given for each listed item

☐ given for only non-English language listed items

[ ] in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. AH-UMIC:047US. A duplicate copy of this paper is enclosed.

Dated: September 13, 2002

Respectfully submitted,

By 

Melissa L. Sistrunk

Registration No.: 45,579

FULBRIGHT & JAWORSKI L.L.P.

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Houston, Texas 77010-3095

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Agent for Applicant



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/860,738
				Filing Date	May 18, 2001
				First Named Inventor	John P. Langmore
				Art Unit	1623
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	AH-UMIC:047US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	4,710,465	12-01-1987	Weissman et al.	
	AB	4,942,124	07-17-1990	Church	
	AC	5,149,625	09-22-1992	Church et al.	
	AD	5,508,169	04-16-1996	Deugau et al.	
	AE	5,518,901	05-21-1996	Murtagh	
	AF	5,648,213	07-15-1997	Reddy et al.	
	AG	5,695,971	12-09-1997	Kadokami et al.	
	AH	5,858,671	01-12-1999	Jones	
	AI	6,063,604	05-16-2000	Wick et al.	
	AJ	6,117,634	09-12-2000	Langmore et al.	
	AK	6,124,120	09-26-2000	Lizardi	
	AL	6,197,557	03-06-2001	Makarov et al.	

AL 6,197,557

05-05-2007

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	IB-99/18241	04-15-1999	Lizardi		
	BB	IB-00/18960	04-06-2000	Landers et al.		
	BC	IB-00/24929	05-04-2000	Von Kalle et al.		
	BD	IB-00/28084	05-18-2000	Jolly		
	BE	IB-00/60121	10-12-2000	Senapathy et al.		

Examiner Signature	Date Considered
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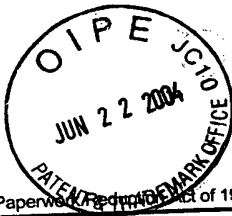
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/860,738		
		Filing Date	May 18, 2001		
		First Named Inventor	John P. Langmore		
		Group Art Unit	1623		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	AH-UMIC:047US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	GUILFOYLE, RICHARD A., ET AL., Ligation-mediated PCR amplification of specific fragments from a Class-II restriction endonuclease total digest, Nucleic Acids Research Vol. 25, No. 9 (1997), pp. 1854-1858.	
	CB	HAGIWARA, KOICHI and HARRIS, CURTIS C., 'Long distance sequencer' method: a novel strategy for large DNA sequencing projects, Nucleic Acids Research, Vol. 24, No. 12 (1996), pp. 2460-2461.	
	CC	MAKOROV, VLADIMIR L., ET AL., Long G. Tails at Both Ends of Human Chromosomes Suggest a C Strand Degradation Mechanism for Telomere Shortening, Cell, Vol. 88 (1997), pp. 657-666.	
	CD	ROSENTHAL, ANDRE, ET AL., Genomic walking and sequencing by oligo-cassette mediated polymerase chain reaction, Nucleic Acids Research, Vol. 18, No. 10 (1990), pp. 3095-3096.	
	CE	SMITH, DOUGLAS R., Ligation-mediated PCR of Restriction Fragments from Large DNA Molecules, PCR Methods and Applications, Vol. 2 (1992), pp. 21-27.	
	CF	UNRAU, PAUL AND DEUGAU, KENNETH V., Non-cloning amplification of specific DNA fragments from whole genomic DNA digests using DNA 'indexers', Gene, 145 (1994), pp. 163-169.	
	CG	WALKER, G. TERRANCE, ET AL., Isothermal in vitro amplification of DNA by a restriction enzyme / DNA polymerase system, Proc. Natl. Acad. Sci. USA Vol. 89 (1992), pp. 392-396, Applied Biological Sciences.	
	CH	WALKER, G. TERRANCE, ET AL., Strand displacement amplification – an isothermal, in vitro DNA amplification technique, Nucleic Acids Research, Vol. 20, No. 7 (1992), pp. 1691-1696.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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Dated: March 31, 2003

Signature

(Monica L. Thomas)

Docket No.: AH-UMIC:047US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of:  
John P. Langmore, et al

Application No.: 09/860,738

Filed: May 18, 2001

For: **METHOD OF PRODUCING A DNA  
LIBRARY USING POSITIONAL  
AMPLIFICATION**

Group Art Unit: 1637

Examiner: Not Yet Assigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Supplemental Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the

Application No.: 09/860,738

Docket No.: AH-UMIC:047US

Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. AH-UMIC:047US. A duplicate copy of this paper is enclosed.

Dated: March 31, 2003

Respectfully submitted,

By Melissa L. Sistrunk  
Melissa L. Sistrunk  
Registration No.: 45,579  
FULBRIGHT & JAWORSKI L.L.P.  
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Agent for Applicant



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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

 Sheet **1** of **1**
**Complete if Known**

Application Number	09/860,738
Filing Date	May 18, 2001
First Named Inventor	John P. Langmore
Art Unit	1637
Examiner Name	Not Yet Assigned
Attorney Docket Number	AH-UMIC:047US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	6,537,757 B1	03-25-2003	Langmore, et al.	
	AB	5,714,318	02-03-1998	Sagner, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	WO 93/24654	12-09-1993			
	BB	WO 98/15652	04-16-1998			
	BC	EP 0684 315 A1-	03-13-1995			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**NON PATENT LITERATURE DOCUMENTS**

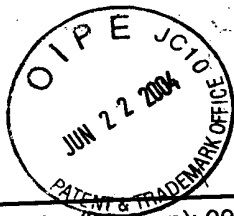
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Currently Pending Claims in U.S. Patent Application No. 09/801,346, Filed March 6, 2001, Entitled "Compositions and Methods for Analysis of Nucleic Acids"	
	CB	FU, DOUG-JING, ET AL., Sequencing Double-Stranded DNA by Strand Displacement, Nucleic Acids Research Vol. 25, No. 3 (1997), pp. 677-679.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

 Examiner  
Signature  
25279880.1

 Date  
Considered



Application No. (if known): 09/860,738

Attorney Docket No.: AH-UMIC:047US

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Commissioner for Patents  
Washington, DC 20231

on March 31, 2003  
Date

Monica L. Thomas  
Signature

Monica L. Thomas  
Typed or printed name of person signing Certificate

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IDS (Citation) by Applicant

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Dated: August 29, 2003

Signature:

*Monica L. Thomas*  
(Monica L. Thomas)

Docket No.: AH-UMIC:047US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of:  
John P. Langmore, et al.

Application No.: 09/860,738

Filed: May 18, 2001

Art Unit: 1637

For: METHOD OF PRODUCING A DNA  
LIBRARY USING POSITIONAL  
AMPLIFICATION

Examiner: K. R. Horlick

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)). The references are submitted to address issues raised during the course of prosecution.

A copy of each reference on PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be

Application No.: 09/860,738

Docket No.: AH-UMIC:047US

construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

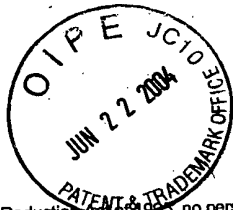
It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. AH-UMIC:047US. A duplicate copy of this paper is enclosed.

Dated: August 29, 2003

Respectfully submitted,

By Melissa L. Sistrunk  
Melissa L. Sistrunk  
Registration No.: 45,579  
FULBRIGHT & JAWORSKI L.L.P.  
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(713) 651-5246 (Fax)  
Attorney for Applicant



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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				Application Number	09/860,738
				Filing Date	May 18, 2001
				First Named Inventor	John P. Langmore
				Art Unit	1623
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	AH-UMIC:047US
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-6,218,119-B1	04-17-2001	Kuiper, et al.	
	AB	US-6,300,071-B1	10-09-2001	Vuylsteke, et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

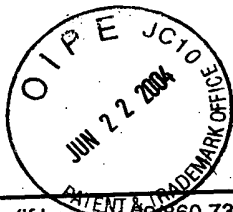
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

25331768	Date Considered	
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Application No. (if known): 09/860,738

Attorney Docket No.: AH-UMIC:047US

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on August 29, 2003  
Date

Signature

Monica L. Thomas

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IDS (Citation) by Applicant